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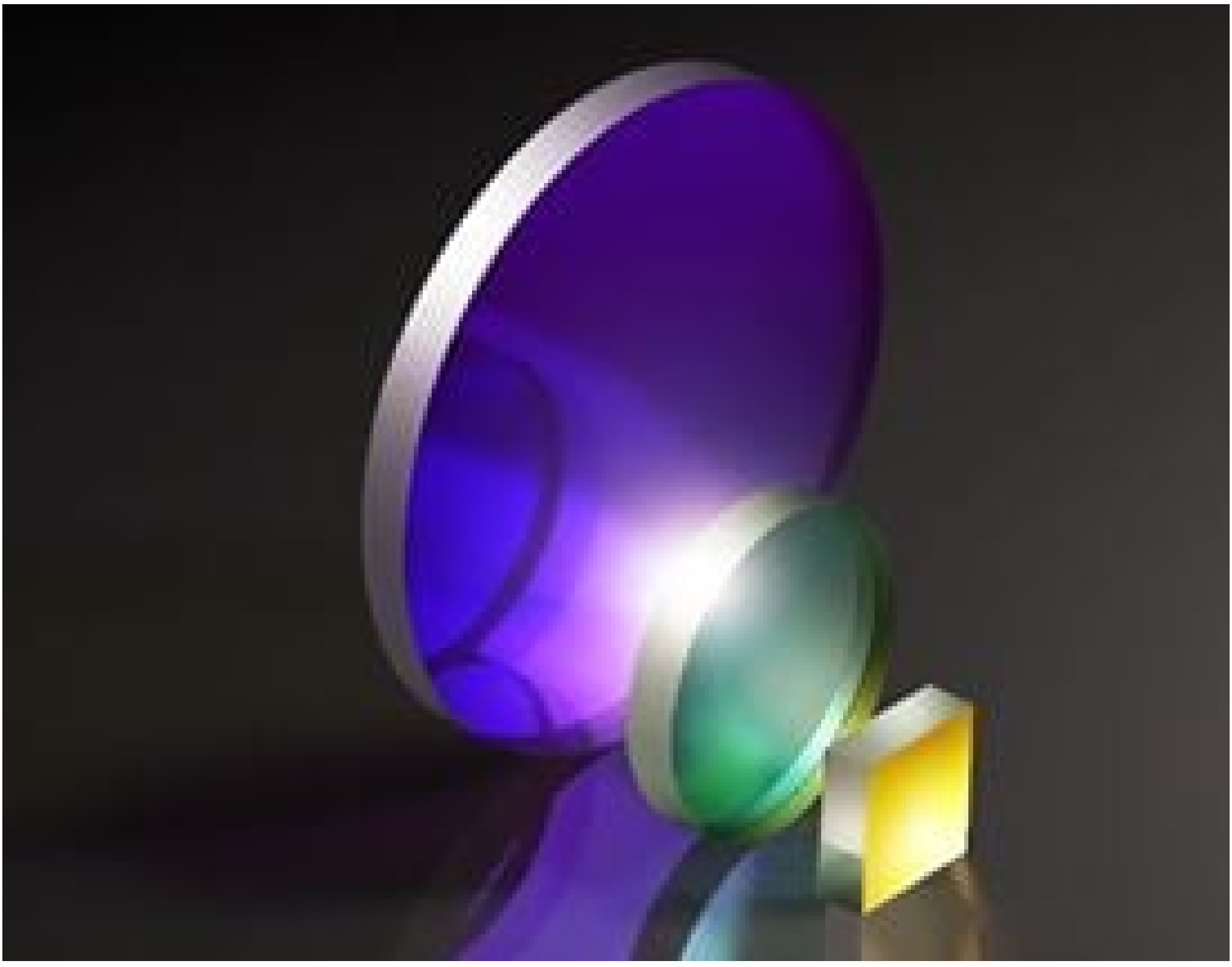
850nm, 6 x 6mm, OD 2.0 Longpass Filter



OD 2.0 Longpass Filters

Stock **#15-207** **20+ In Stock**

- 1 + **C$70.00**

ADD TO CART

Volume Pricing	
Qty 1-9	**C$70.00** each
Qty 10-25	**C$63.00** each
Qty 26-49	**C$58.80** each
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Product Downloads

General

Type:
Longpass Filter

Physical & Mechanical Properties

Dimensions (mm):
6.00 x 6.00 +0.00/-0.20

Length (mm):
6.00

Thickness (mm):	2.00 ±0.10
Width (mm):	6.00
Clear Aperture (%):	90
Physical Durability:	MIL-C-48497A, Section 3.4.1

Optical Properties

Angle of Incidence (°):	0
Optical Density OD (Average):	≥2.0
Cut-On Wavelength (nm):	850.00 ±17
Substrate:	BOROFLOAT®
Coating:	Hard Coated
Rejection Wavelength (nm):	600 - 810
Surface Quality:	60-40
Transmission (%):	≥85
Transmission Wavelength (nm):	890 - 1600
Wavelength Range (nm):	600 - 1600

Environmental & Durability Factors

Environmental Durability:	MIL-STD-810F, Section 507.4

Regulatory Compliance

Certificate of Conformance:	View

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

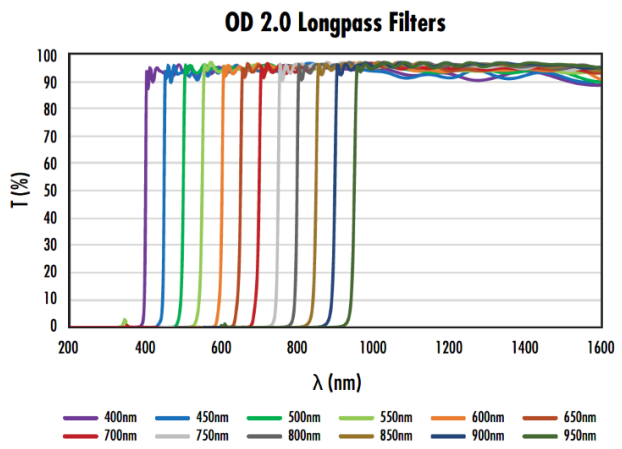
Learn more about our custom manufacturing capabilities or submit an inquiry here.

Product Details

- Sharp Cut-On Wavelength
- ≥85% Transmission and OD 2.0 Blocking
- 6mm Square or 12.5/25mm Diameter Sizes
- TECHSPEC® OD 4.0 Longpass Filters Also Available

OD 2.0 Longpass Filters are cost-effective filters with cut-on wavelengths ranging from 400 to 950nm. These longpass filters provide ≥85% transmission across a transmission band that extends out to 1600nm while providing OD 2.0 blocking across their rejection band. The back surface of each filter is coated with an antireflection (AR) coating, increasing the overall efficiency of the filter. OD 2.0 Longpass Filters can be combined with OD 2.0 Shortpass Filters to create custom bandpass filters to meet application requirements in the visible or near-infrared. These longpass filters are ideal for use in fluorescence applications or separating spectral orders, with the 6 x 6mm sized filters suitable for integration into optical instrumentation requiring cost-effective, lightweight filters.

Technical Information



Compatible Mounts

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